

ABSTRACT OF THE DISCLOSURE

An implantable, rechargeable assembly comprised of an implantable device disposed within a living organism, an electrical storage device connected to the implantable device, and a thermoelectric charging assembly operatively connected to the electrical storage device.

- 5 The thermoelectric charging assembly has devices for transferring thermal energy between the living organism and a thermoelectric module, for generating an electrical current from the thermal energy, for charging the electrical storage device with the electrical current, for determining the extent to which the electrical storage device is being charged with the electrical current, and for generating a signal whenever the extent to which the electrical
- 10 storage device is being charged with the electrical current falls below a specified value.